



## Singapore, Iran, Romania

Research Workshop at National University of Singapore

March 6-7, 2014

A two-day research Workshop will be held in NUS School of Computing in Singapore.

This Workshop focuses on the recent developments in Computer Science and Computational Biology.

The School of Biological Sciences at IPM and several Universities from Romania will join this research activity to present their work and to explore and advance the collaboration with National University of Singapore.

Contact Us: [bsinfo@ipm.ir](mailto:bsinfo@ipm.ir)

**NUS School of Computing**  
**Singapore-Romania-Iran Research Workshop @ NUS SoC**  
**6<sup>th</sup> to 7<sup>th</sup> March 2014**  
**Programme**

**Day 1 : Executive Classroom, COM2 Level 4 (Thursday 6<sup>th</sup> March 2014)**

8:45 Arrival of visitors and Registration

Session 1: 9:00-10:00

Welcome and Introduction by Wong Lim Soon, Head of CS Department, NUS, Singapore

Overview on Graduate Programmes by Abhik Roychoudhury, Vice-Dean, SoC, NUS, Singapore

10:00-10:30 Break

Session 2: 10:30-12:30

Nicolae Tapus, Politechnica University of Bucharest, Romania  
Research and Education in Computer Science and Engineering Department

Nasser Mozayani, Iran University of Science and Technology, Iran  
Holonc Multi Agent Solutions for Smart Grid

Dong Jinsong, NUS, Singapore  
Model Checking Based Event Analytics

Abhik Roychoudhury, NUS, Singapore  
Static Analysis Driven Cache Performance Testing

12:30 Lunch

Session 3 : 13:30-15:00

Hamid Pezeshk, University of Tehran, Iran  
A Hybrid Similarity Measure for Biological Sequence Comparison

Gheorghe Stefanescu, University of Bucharest, Romania  
New Two-dimensional Regular Expressions

Tay Yong Chiang, NUS, Singapore  
An Equation for Sizing Memory Allocation

15:00 - 15:30 - Break

Session 4 : 15:30-17:30

Hamid Rabiee, Sharif University, Iran  
Capturing Spatial/Temporal Relations Among Signals Using Sparse Coding

Mitica Craus, Technical University of Iasi, Romania  
Education and Research at the Computer Engineering

Razvan Rughinis, Politechnica University of Bucharest, Romania  
Collaborative Work and Learning through Gamification in Computer Science

Zhao Shengdong, NUS, Singapore  
Interactive Online Video-based Learning Environment

17:30 Photo taking at COM1 Lobby

18:30 Dinner

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**Day 2: Meeting Room 1, COM 1 Level 3 (Friday 7 March 2014)**

Session 5 : 9:00-11:00

Hamid Sarbazi-Azad, Sharif University, Iran  
*Reducing Access Latency of Multi-level PCMs through Data Striping*

Ioan Salomie, Technical University of Iasi, Romania  
*Green Computing with Applications in Energy-Efficient Data Centres*

Emil Slusanschi, Politehnica University of Bucharest, Romania  
*High Performance & Scientific Computing*

Tulika Mitra, NUS, Singapore  
*Energy-Efficient Computing for Mobile Platforms*

11:00-11:15 Short Break

Session 6 : 11:15am-12:45

Simona Motogna, University of Cluj, Romania  
*A K-Definition for fUML and Alf*

Razvan Deaconescu, Politehnica University of Bucharest, Romania  
*Securing iOS Apps through Binary Hardening*

Prateek Saxena, NUS, Singapore  
*Secure Outsourced Computation: Directions and Highlights from NUS Security Lab*

12:45 *Closing Remarks*

13:00 *Lunch at NUSS Guild House*